720

758

SQ-AIA-113.ST25 SEQUENCE LISTING

| <110> | Aoki, Hirofumi Kodama, Tatsuhiko Hasegawa, Kiyotaka Kajiya, Kentaro Ishimatsu, Yumiko Ogou, Masashi Yoshida, Seiichi Kishimoto, Jiro Moro, Osamu | |
|----------------------------------|--|-----|
| <120> | Methods for Predicting Skin Stain Formation and for Screening Agent Capable of Inhibiting Skin Stain Formation by Means of Promoted Genes in Stained Regions as an Indicator | • |
| <130> | AIA-113-PCT | |
| <150> <151> | JP 2003-343549 2003-10-01 | . • |
| <150> <151> | JP 2003-344786 2003-10-02 | |
| <160> | 7 | |
| <170> | PatentIn version 3.3 | |
| <210> <211> <212> <213> | DNA | |
| <220> | | |
| <400> | 1 | 60 |
| | ntttt cgtggcacag cttcctccct aggcgtgaga ctccggctcc ttcactatga | 120 |
| _ | ctagc cctttccggt ctgctctgca tgctgctcct ctgtttctgc attttctcct | |
| | gggag aagacatcct gccaagtcct tgaaactcag gcgctgctgt cacctatctc | 180 |
| ctaga | tccaa gctgacaacc tggaaaggaa accacacaag gccctgcaga ctctgcagaa | 240 |
| _ | ctacc agtcaagtca tgggtggtgc ctggggctct cccacagata tagggcctcc | 300 |
| | ccaga tgaagcgttg atgcccagat gtggagacac cagaagcata cacactatgt | 360 |
| tgcct | tgccc cttgccaatg agctgtgaca ctggaatgct tcacttcaga catcagggcg | 420 |
| gatgg | attgc agaattccaa gtcctcattc caaaggtgtc accaaccttc agagtcacta | 480 |
| aggtc | caggc tcagcccaca agtcaccatg gctcctccag agtaaaagtc caagattcca | 540 |
| cctgt | gggag ctacagatcc agagactttc aagctgacta gagtgcagag aagcaagacc | 600 |
| tcagt | gtgat cagccgagac tacagcatct tgggaaccct cagtcagccc caaaccccta | 660 |

acacttaacc actggtctcc aaaccaacac ctgtaacttc ctaatgaaat catcaggagg

ataccaaaag aaataaacca taaatcagca tacacacg

SQ-AIA-113.ST25

<210>

2063 DNA Homo sapiens <400> ctctgcccat tgggaaacac ctctctatga ctctataaat gtccaaggtg gccccaaggg 60 120 aggacttctg cagcacagct cccttcccag gacgtgaaaa tctgccttct caccatgagg cttctagtcc tttccagcct gctctgtatc ctgcttctct gcttctccat cttctccaca 180 240 gaagggaaga ggcgtcctgc caaggcctgg tcaggcagga gaaccaggct ctgctgccac 300 cgagtcccta gccccaactc aacaaacctg aaaggacatc atgtgaggct ctgtaaacca 360 tgcaagcttg agccagagcc ccgcctttgg gtggtgcctg gggcactccc acaggtgtag 420 cactcccaaa gcaagactcc agacagcgga gaacctcatg cctggcacct gaggtaccca gcagcctcct gtctcccctt tcagccttca cagcagtgag ctgcaatgtt ggagggcttc 480 540 atctcgggct gcaaggaccc tgggaaagtt ccagaactcc acgtccttgt ctcaattgtg 600 ccatcaactt tcagagctat catgagccaa cctcagcctt ccgagtagct gggattacag 660 gtgtgcgcca ccacacccgg ctaatttttg ctttttttt ttttgagaca gaatctcgct 720 ctgttgctca ggctggagtg gagtgcagtg gcacgatctc agctcactgc agcctctgcc 780 tcccgggttc aggagattct cctgactcaa cctcctgagt agctgggatt acaggtgcct 840 gccactatgc ctagctaatt tttgtatttt tagtggagac ggggttttgc cgtgttggcc 900 ggggtggtct cgaactcctg acctcaagtg atccacccgc atcggccccc caaagtgctg ggattatagg cgtgaaccac cgcgcctgtc ccattgttgt gtaattttaa taattagttt 960 1020 tttaagtact tgattttatg ggcacatttt tgtgggatga ttggagttaa tcaaataaag 1080 cttgtcatgt gtgtagtttg gtaagataac ttctttaaat tcatgttttc tctgccttga ggtagtgagg gaaagatctt aatcagtatt ttggtaatta actgattgaa ttcaagcaaa 1140 tgagacatca tgaacttcag tggttattga tatttcaggg tatatacctg aaatgcctag 1200 1260 aggatacaga tttctcattt cattctttgg tctttcattt ctctatatac agaaatgaaa tgacacttct gggaggcagt agaagcagga agtcaatgaa ttgagtagag ggtcccattc 1320 1380 cctcaggctg tcattgatca gtgacaattt ataaaaacaa actgcaaagt ctgtggcaag 1440 tggctgcctg cttcctagaa ggagcccatg aaggttaaac tctgtggtcg gtatttgcaa 1500 gcgccgggcg tggtggctca cgcctgtaat cctagcacct tgggaggcca aggcaggcgg atcacccgag gtcaggagtt tgaggatttg caagcaaaag gtcctctcct gagtctttcc 1560 cagataccca gcagtgcaga ggctagctgt ggaaggttgc agtgggacag gaatgtattg 1620 tatgccttgc cttacttgtc accattgaga tttccagaga aatgggcata acgtctctta 1680

SQ-AIA-113.ST25

| acaacaacag | cagaaagcaa | aatacattaa | cttaaggttg | acaacaaag | attatcaagt | 1740 |
|--|------------|------------|------------|------------|------------|------|
| accatgttt | ccaaccaacc | agttattcgt | ggtaataata | aaataaaggt | gggaaaatgt | 1800 |
| tataatttt | aaggaaactg | tgtactttaa | aaatcttctt | tatgaatatc | caatgttact | 1860 |
| gtaatcctgc | tccattaaat | gcagcattgt | tgtcaggtgc | tgcctcttgc | ttgggaacag | 1920 |
| cattgggctt | ttaaatgtct | gcagaatctc | tgcgttcgaa | gggaattgag | aatgaacttc | 1980 |
| ctggtactgt | aatgaaaata | aggtctgctc | aacacagtaa | acgtttcctc | tcttctttaa | 2040 |
| aaaaaaaaa | aaaaaaaaa | aaa | | | | 2063 |
| <210> 3 <211> 742 <212> DNA <213> Rat | | | , | | | |
| <400> 3 tttttttgtg | ccactgcttc | ctctctagcc | gtgagactcc | agctacttca | ctatgcgact | 60 |
| tctcaccctc | tccggtttgt | tcttcatgct | gttcctctgt | ctctgcgttc | tctcctcaga | 120 |
| agggagaaag | cgtcctgcca | agttcccgaa | actcaggcct | gctgtcatct | atctcctaga | 180 |
| tccaaaccaa | taactggaaa | ggaaaccaca | caagaccctg | cagaccatgc | agaaagctag | 240 |
| aatccaattc | atggggtggt | gcctggggct | ctcccacaga | tatagggcct | cccgaagctg | 300 |
| gcctccaccg | agatgaaacg | ttgatgtcca | gttatggaga | caaccttctg | gccctacca | 360 |
| accttcatgg | ccagaaagct | gtgacaccag | aatgtttcac | ttcagacagc | tgaaggatta | 420 |
| cagaattcca | agccctcgtt | ccaaaggtgc | aaccaacctt | cagagtcact | atgatccagg | 480 |
| gtcagcccac | aagtcttcat | ggctcctgca | gagtaaaagt | ccaagattcc | atccctggga | 540 |
| gctacagatt | cagagacttc | caagctgact | ggcgaacaga | gtagcaagac | ttccttgtga | 600 |
| tcagatgaga | ttacagcatc | ttaggaaccc | tcggacaccc | ccaaacccat | agcatttaat | 660 |
| caacgggata | tgaaccaact | cctgtaactt | cctaatgtaa | tcaccaggag | aacaccaaaa | 720 |
| ataataaatc | ataaatcaat | gt | | • | ` . | 742 |
| | ificial | | | | | |
| <220> <223> Sen | se Primer | | · | • | | • |
| <400> 4 ttctttgcct | gctgctcata | | | | 10 | 20 |
| <210> 5 <211> 20 | | | Page | 3 | • | |

SQ-AIA-113.ST25

| .212. | DATA | | _ | | |
|----------------------------------|------------------------------|---|---|----------|----|
| <212> <213> | DNA Artificial | | | | |
| <220> <223> | Antisense Primer | • | • | <i>:</i> | |
| <400> gacaag | 5 gatg agaaaacacg | | | | 20 |
| <210> <211> <212> <213> | 6 20 DNA Artificial | | | | |
| <220> <223> | Sense Primer | | | | |
| <400> actccg | 6 gctc cttcactatg | | | • | 20 |
| <210> <211> <212> <213> | 7 20 DNA Artificial | | | | - |
| <220> <223> | Antisense Primer | | | | |
| <400> ctttgg | 7 aatg aggacttgga | | | | 20 |